

Listing of the Claims:

Claims 1 to 10 (cancelled).

Claims 11 to 19 (previously cancelled).

20. (currently amended) A composite object comprising a non-magnetic substrate having at least one surface to which is directly adhered a printed layer of a radiation cured magnetic resin, ~~said radiation cured magnetic resin comprising 50 to 95 weight % of magnetic particles having an average size within the range of 1 μ to 200 μ , dispersed within 50 to 5 weight % of a radiation cured resin~~ wherein the composite object is formed by the process of claim 30.

21. (currently amended) The composite object of claim 20, wherein the magnetic particles [having] have an average size within the range of 10 μ to 80 μ .

22. (currently amended) The composite object of claim 21, wherein the magnetic particles [having] have an average size within the range of 20 μ to 70 μ .

23. (original) The composite object of claim 20, wherein the layer of the radiation curable magnetic coating composition has a thickness within the range of 0.4 mils to 20 mils upon curing.

24. (currently amended) The composite object of claim 20, wherein the non-magnetic substrate is selected from ~~the group consisting of~~ paper, cardboard, wood ceramic, plastic, aluminum and combinations thereof.

25. (original) The composite object of claim 24, wherein the non-magnetic substrate is paper.

26. (original) The composite object of claim 24, wherein the non-magnetic substrate is cardboard.

27. (original) The composite object of claim 25, wherein the paper is a sheet of paper having opposite sides.

28. (original) The composite object of claim 27, wherein at least one side of the sheet of paper has printing or indicia.

29. (original) The composite object of claim 28, wherein the side of the sheet of paper that is opposite the layer of radiation cured magnetic resin has printing or indicia thereon.

30. (new) A process for making composite bonded magnets by in-line printing comprising

A. combining from 50 to 95 weight % of magnetic particles having an average particle size ranging from 1 micron (μ) to 200 μ , in combination with 50 to 5 weight % of a radiation curable resin and an effective amount of a photo inhibitor to form an in-line printing composition, said composition having a viscosity within the range of 50 cps to 10,000 cps when used in an inline printing process;

B. in-line printing said composition on one surface of a non-magnetic substrate;
C. curing said composition by applying UV radiation to the coating to effect the radiation cure of said composition and thereby form a laminated product having a magnetic coating composition adhered to one surface thereof; and

D. magnetically charging the magnetic particles.

31. (new) The process of claim 30, wherein the composition has a viscosity in the range of 50 cps to 4,000 cps.

32. (new) The process of claim 30, which further includes a step of printing said non-magnetic substrate on the surface of the non-magnetic substrate not coated with a magnetic composition.

33. (new) The process of claim 30, wherein the radiation curable resin utilizes a free radical cure system, a cationic cure system or a hybrid free radical/cationic cure system.

34. (new) The process of claim 30, wherein the free-radical cure system employs an acrylate, a methacrylate or a combination thereof.

35. (new) The process of claim 30, wherein the radiation curable resin utilizes a cationic cure system.

36. (new) The process of claim 30, wherein the cationic cure system employs an epoxide resin or a polyol resin.

37. (new) The process of claim 30, wherein the non-magnetic substrate is selected from paper, cardboard, wood, ceramic, plastic, aluminum and combinations thereof.

38. (new) The process of claim 37, wherein the paper is a sheet of paper having opposing sides.

39. (new) The process of claim 38, wherein at least one side of the sheet of paper has printing or indicia.

40. (new) The process of claim 39, wherein the side of the sheet of paper that is opposite the layer of the radiation cured magnetic resin has printing or indicia thereon.